

Mr. Kenneth Paxson  
Electrotek Metals  
4407 Railroad Avenue  
East Chicago, IN 46312

Re: 089-15893-00373  
Notice Only Change  
Transfer of Ownership for  
Registered Operation Status,  
**089-13740-00373**

Dear Mr. Paxson:

A letter notifying the Office of Air Quality (OAQ) of a change in ownership was received on April 22, 2002. The following is a revision of the registration acknowledging the transfer of ownership of Great Lakes Metals LLC to Newco Inc. d/b/a Electrotek Metals at the same location.

The application from Great Lakes Metals, LLC, received on January 3, 2001, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following continuous coil electrogalvanizing source, located at 4407 Railroad Avenue, East Chicago, Indiana, is classified as registered:

- (a) Two (2) natural gas fired boilers, identified as SS-2 and SS-3, constructed after June 9, 1989, equipped with low NO<sub>x</sub> burners, capacity: 21.0 million British thermal units per hour, each.
- (b) One (1) electrogalvanizing line, consisting of pre-cleaning, cleaning, and phosphate processes, as well as zinc plating operations, capacity: 163.2 tons of galvanized steel per hour.
- (c) Two (2) natural gas fired space heaters, identified as #1 West and #2 East, capacity: 8.80 million British thermal units per hour, each.

The following conditions shall be applicable:

- 1. Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary alternative opacity limitations), opacity shall meet the following, unless otherwise stated in this permit:
  - (a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
  - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.

2. Any change or modification which may increase the potential to emit a combination of HAPs, VOC, NO<sub>x</sub>, SO<sub>2</sub>, PM or PM<sub>10</sub> to twenty five (25) tons per year, CO to one hundred (100) tons per year, or a single HAP to ten (10) tons per year from this source shall require approval from IDEM, OAQ prior to making the change.
3. Pursuant to 326 IAC 2-6 (Emission Reporting), the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by April 15 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).
4. Pursuant to 326 IAC 6-3-2 (Process Operations), the particulate matter (PM) from the electrogalvanizing line shall not exceed 0.76 pounds per hour, when operating at a process weight rate of 163.2 pounds per hour. This limitation was determined by the following:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour and  
P = process weight rate in tons per hour

5. Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), the PM from each of the two (2) boilers shall be limited to 0.412 pounds per million British thermal unit of heat input. The emission limitations are based on the following equation is given in 326 IAC 6-2-4:

$$Pt = 1.09/Q^{0.26}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

6. Operating on fuels other than natural gas may cause the requirements of 40 CFR 60.42c, 40 CFR 60.43c, 40 CFR 60.44c, 40 CFR 60.45c, 40 CFR 60.46c and 40 CFR 60.47c to be applicable to the two (2) boilers, identified as SS-2 and SS-3, and shall require prior IDEM, OAQ, approval.
7. Pursuant to the New Source Performance Standards (NSPS), Part 60.48c, Subpart Dc, this source is required to keep records of the amount of each fuel combusted each month. Records shall be maintained by the owner or operator of the boilers for a period of two (2)

years following the date of such record. The application and enforcement of these standards have been delegated to the IDEM OAQ. The requirements of 40 CFR Part 60 are also federally enforceable.

8. To document compliance with Condition 7, the natural gas fired boiler certification, shall be submitted semi-annually, using the form located at the end of this letter, or its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The certification shall be sent to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, IN 46206-6015

This registration is a renewed registration issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3). The annual notice shall be submitted to:

**Compliance Branch  
Office of Air Quality  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, IN 46206-6015**

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

cc: File - Lake County  
Lake County Health Department  
Air Compliance Section - Ramesh Tejuja  
IDEM Northwest Regional Office  
Compliance Data Section - Karen Nowak  
Permit Review II - Janet Mobley

Electrotek Metals  
East Chicago, Indiana

Notice Only Change No.: 089-15893  
Revision by: Janet Mobley

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY**

**COMPLIANCE BRANCH**

**SEMI-ANNUAL NATURAL GAS-FIRED BOILER CERTIFICATION**

Source Name: Electrotek Metals  
Source Address: 4407 Railroad Avenue, East Chicago, Indiana 46312  
Mailing Address: 4407 Railroad Avenue, East Chicago, Indiana 46312  
Permit No.: R 089-13740-00373

9 Natural Gas Only  
9 Alternate Fuel burned  
From: \_\_\_\_\_ To: \_\_\_\_\_

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

## Registration

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

<b>Company Name:</b>	<b>Electrotek Metals</b>
<b>Address:</b>	<b>4407 Railroad Avenue</b>
<b>City:</b>	<b>East Chicago</b>
<b>Authorized individual:</b>	<b>Kenneth Paxson</b>
<b>Phone #:</b>	<b>(219) 378-1930 ext. 111</b>
<b>Registration #:</b>	<b>R 089-13740-00373</b>

I hereby certify that Electrotek Metals is still in operation and is in compliance with the requirements of Registration 089-13740-00373.

<b>Name (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>